

Appendix B

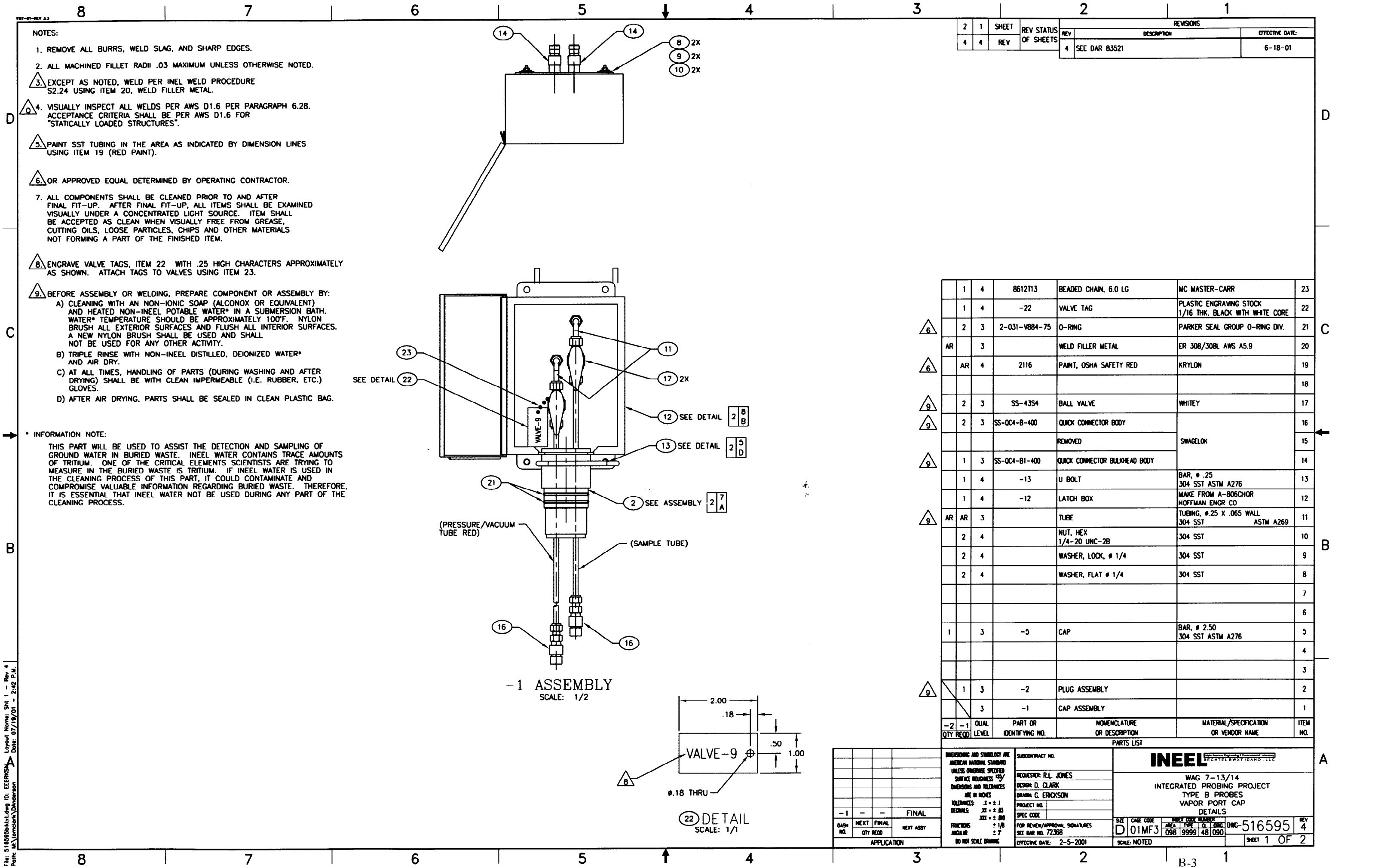
Drawings

Vapor Port Probe Drawings

Drawing 515919, Coupling Assembly

Drawing 516595, Vapor Port Cap (two sheets)

Note: The attached drawing is provided for design information only. It is not the official “built-to” print.



- NOTES:
1. REMOVE ALL BURRS, WELD SLAG, AND SHARP EDGES.
 2. ALL MACHINED FILLET RADII .03 MAXIMUM UNLESS OTHERWISE NOTED.
 3. EXCEPT AS NOTED, WELD PER INEL WELD PROCEDURE S2.24 USING ITEM 20, WELD FILLER METAL.
 4. VISUALLY INSPECT ALL WELDS PER AWS D1.6 PER PARAGRAPH 6.2B. ACCEPTANCE CRITERIA SHALL BE PER AWS D1.6 FOR "STATICALLY LOADED STRUCTURES".
 5. PAINT SST TUBING IN THE AREA AS INDICATED BY DIMENSION LINES USING ITEM 19 (RED PAINT).
 6. OR APPROVED EQUAL DETERMINED BY OPERATING CONTRACTOR.
 7. ALL COMPONENTS SHALL BE CLEANED PRIOR TO AND AFTER FINAL FIT-UP. AFTER FINAL FIT-UP, ALL ITEMS SHALL BE EXAMINED VISUALLY UNDER A CONCENTRATED LIGHT SOURCE. ITEM SHALL BE ACCEPTED AS CLEAN WHEN VISUALLY FREE FROM GREASE, CUTTING OILS, LOOSE PARTICLES, CHIPS AND OTHER MATERIALS NOT FORMING A PART OF THE FINISHED ITEM.
 8. ENGRAVE VALVE TAGS, ITEM 22 WITH .25 HIGH CHARACTERS APPROXIMATELY AS SHOWN. ATTACH TAGS TO VALVES USING ITEM 23.
 9. BEFORE ASSEMBLY OR WELDING, PREPARE COMPONENT OR ASSEMBLY BY:
A) CLEANING WITH AN NON-IONIC SOAP (ALCONOX OR EQUIVALENT) AND HEATED NON-INEEL POTABLE WATER* IN A SUBMERSION BATH. WATER* TEMPERATURE SHOULD BE APPROXIMATELY 100°F. NYLON BRUSH ALL EXTERIOR SURFACES AND FLUSH ALL INTERIOR SURFACES. A NEW NYLON BRUSH SHALL BE USED AND SHALL NOT BE USED FOR ANY OTHER ACTIVITY.
B) TRIPLE RINSE WITH NON-INEEL DISTILLED, DEIONIZED WATER* AND AIR DRY.
C) AT ALL TIMES, HANDLING OF PARTS (DURING WASHING AND AFTER DRYING) SHALL BE WITH CLEAN IMPERMEABLE (I.E. RUBBER, ETC.) GLOVES.
D) AFTER AIR DRYING, PARTS SHALL BE SEALED IN CLEAN PLASTIC BAG.

* INFORMATION NOTE:
THIS PART WILL BE USED TO ASSIST THE DETECTION AND SAMPLING OF GROUND WATER IN BURIED WASTE. INEEL WATER CONTAINS TRACE AMOUNTS OF TRITIUM. ONE OF THE CRITICAL ELEMENTS SCIENTISTS ARE TRYING TO MEASURE IN THE BURIED WASTE IS TRITIUM. IF INEEL WATER IS USED IN THE CLEANING PROCESS OF THIS PART, IT COULD CONTAMINATE AND COMPROMISE VALUABLE INFORMATION REGARDING BURIED WASTE. THEREFORE, IT IS ESSENTIAL THAT INEEL WATER NOT BE USED DURING ANY PART OF THE CLEANING PROCESS.

2		1	SHEET	REV STATUS	REVISIONS		EFFECTIVE DATE:
4		4	REV	OF SHEETS	DESCRIPTION		
		4	SEE DAR 83521				6-18-01

	1	4	8612T13	BEADED CHAIN, 6.0 LG	MC MASTER-CARR	23		
	1	4	-22	VALVE TAG	PLASTIC ENGRAVING STOCK 1/16 THK, BLACK WITH WHITE CORE	22		
6		2	3	2-031-V884-75	O-RING	PARKER SEAL GROUP O-RING DIV.	21	
	AR		3		WELD FILLER METAL	ER 308/308L AWS A5.9	20	
6		AR	4	2116	PAINT, OSHA SAFETY RED	KRYLON	19	
							18	
9		2	3	SS-4354	BALL VALVE	WHITEY	17	
9		2	3	SS-QC4-B-400	QUICK CONNECTOR BODY		16	
					REMOVED		SWAGelok	15
9		1	3	SS-QC4-B1-400	QUICK CONNECTOR BULKHEAD BODY		14	
	1	4		-13	U BOLT	BAR, # .25 304 SST ASTM A276	13	
	1	4		-12	LATCH BOX	MAKE FROM A-806CHOR HOFFMAN ENGR CO	12	
9	AR	AR	3		TUBE	TUBING, #.25 X .065 WALL 304 SST ASTM A269	11	
		2	4		NUT, HEX 1/4-20 UNC-2B	304 SST	10	
		2	4		WASHER, LOCK, # 1/4	304 SST	9	
		2	4		WASHER, FLAT # 1/4	304 SST	8	
							7	
							6	
	1		3	-5	CAP	BAR, # 2.50 304 SST ASTM A276	5	
							4	
							3	
9		1	3	-2	PLUG ASSEMBLY		2	
			3	-1	CAP ASSEMBLY		1	
	-2	-1	QVAL	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	MATERIAL/SPECIFICATION OR VENDOR NAME	ITEM NO.	

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

27

28

29

30

31

32

33

34

35

36

37

38

39

40

41

42

43

44

45

46

47

48

49

50

51

52

53

54

55

56

57

58

59

60

61

62

63

64

65

66

67

68

69

70

71

72

73

74

75

76

77

78

79

80

81

82

83

84

85

86

87

88

89

90

91

92

93

94

95

96

97

98

99

100

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

27

28

29

30

31

32

33

34

35

36

37

38

39

40

41

42

43

44

45

46

47

48

49

50

51

52

53

54

55

56

57

58

59

60

61

62

63

64

65

66

67

68

69

70

71

72

73

74

75

76

77

78

79

80

81

82

83

84

85

86

87

88

89

90

91

92

93

94

95

96

97

98

99

100

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

27

28

29

30

31

32

33

34

35

36

37

38

39

40

41

42

43

44

45

46

47

48

49

50

51

52

53

54

55

56

57

58

59

60

61

62

63

64

65

66

67

68

69

70

71

72

73

74

75

76

77

78

79

80

81

82

83

84

85

86

87

88

89

90

91

92

93

94

95

96

97

98

99

100

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

27

28

29

30

31

32

33

34

35

36

37

38

39

40

41

42

43

44

45

46

47

48

49

50

51

52

53

54

55

56

57

58

59

60

61

62

63

64

65

66

67

68

69

70

71

72

73

74

75

76

77

78

79

80

81

82

83

84

85

86

87

88

89

90

91

92

93

94

95

96

97

98

99

100

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

27

28

29

30

31

32

33

34

35

36

37

38

39

40

41

42

43

44

45

46

47

48

49

50

51

52

53

54

55

56

57

58

59

60

61

62

63

64

65

66

67

68

69

70

71

72

73

74

75

76

77

78

79

80

81

82

83

84

85

86

87

88

89

90

91

92

93

94

95

96

97

98

99

100

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

27

28

29

30

31

32

33

34

35

36

37

38

39

40

41

42

43

44

45

46

47

48

49

50

51

52

53

54

55

56

57

58

59

60

61

62

63

64

65

66

67

68

69

70

71

72

73

74

75

76

77

78

79

80

81

82

83

84

85

86

87

88

89

90

91

92

93

94

95

96

97

98

99

100

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

27

28

29

30

31

32

33

34

35

36

37

38

39

40

41

42

43

44

45

46

47

48

49

50

51

52

53

54

55

56

57

58

59

60

61

62

63

64

65

66

67

68

69

70

71

72

73

74

75

76

77

78

79

80

81

82

83

84

85

86

87

88

89

90

91

92

93

94

95

96

97

98

99

100

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

27

28

29

30

31

32

33

34

35

36

37

38

39

40

41

42

43

44

45

46

47

48

49

50

51

52

53

54

55

56

57

58

59

60

61

62

63

64

65

66

67

68

69

70

71

72

73

74

75

76

77

78

79

80

81

82

83

84

85

86

87

88

89

90

91

92

93

94

95

96

97

98

99

100

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

27

28

29

30

31

32

33

34

35

36

37

38

39

40

41

42

43

44

45

46

47

48

49

50

51

52

53

54

55

56

57

58

59

60

61

62

63

64

65

66

67

68

69

70

71

72

73

74

75

76

77

78

79

80

81

82

83

84

85

86

87

88

89

90

91

92

93

94

95

96

97

98

99

100

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

27

28

29

30

31

32

33

34

35

36

37

38

39

40

41

42

43

44

45

46

47

48

49

50

51

52

53

54

55

56

57

58

59

60

61

62

63

64

65

66

67

68

69

70

71

72

73

74

75

76

77

78

79

80

81

82

83

84

85

86

87

88

89

90

91

92

93

94

95

96

97

98

99

100

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

27

28

29

30

31

32

33

34

35

36

37

38

39

40

41

42

43

44

45

46

47

48

49

50

51

52

53

54

55

56

57

58

59

60

61

62

63

64

65

66

67

68

69

70

71

72

73

74

75

76

77

78

79

80

81

82

83

84

85

86

87

88

89

90

91

92

93

94

95

96

97

98

99

100

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

27

28

29

30

31

32

33

34

35

36

37

38

39

40

41

42

43

44

45

46

47

48

49

50

51

52

53

54

55

56

57

58

59

60

61

62

63

64

65

66

67

68

69

70

71

72

73

74

75

76

77

78

79

80

81

82

83

84

85

86

87

88

89

90

91

92

93

94

95

96

97

98

99

100

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

27

28

29

30

31

32

33

34

35

36

37

38

39

40

41

42

43

44

45

46

47

48

49

50

51

52

53

54

55

56

57

58

59

60

61

62

63

64

65

66

67

68

69

70

71

72

73

74

75

76

77

78

79

80

81

82

83

84

85

86

87

88

89

90

91

92

93

94

95

96

97

98

99

100

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

27

28

29

30

31

32

33

34

35

36

37

38

39

40

41

42

43

44

45

46

47

48

49

50

51

52

53

54

55

56

57

58

59

60

61

62

63

64

65

66

67

68

69

70

71

72

73

74

75

76

77

78

79

80

81

82

83

84

85

86

87

88

89

90

91

92

93

94

95

96

97

98

99

100

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

27

